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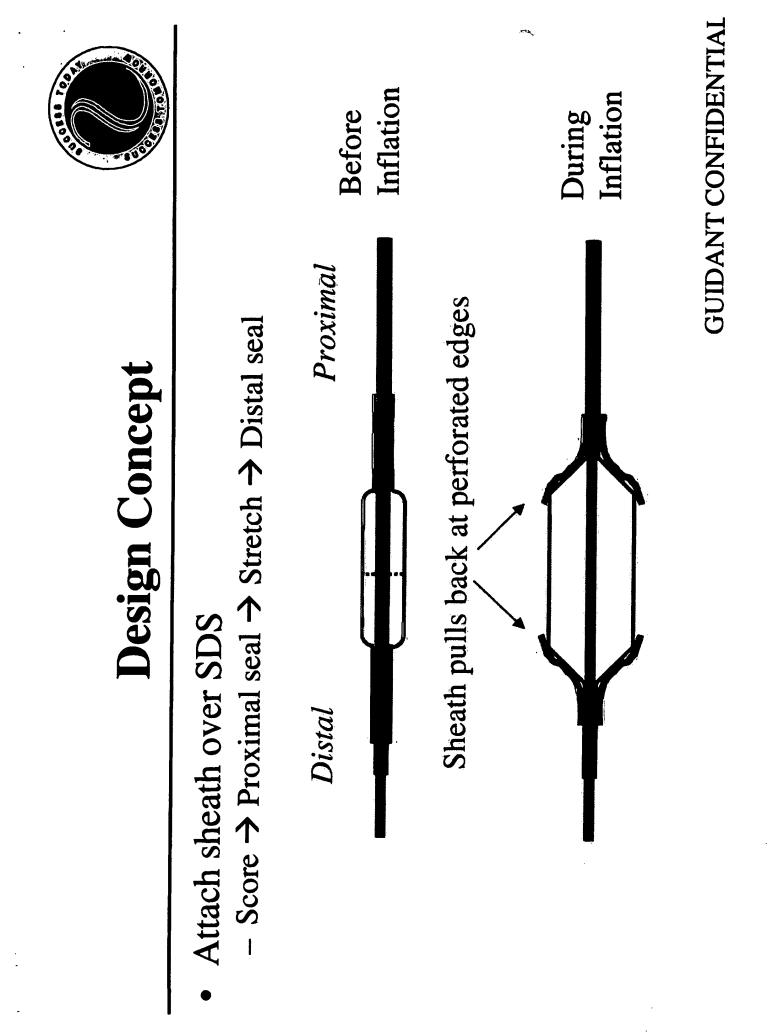


- Key features for pre-deployment stent security
- Stent and stent edges will not catch while SDS is advanced through lesion or previously deployed stent
- No stent movement while advancing through difficult lesions
- Pullback into non-coaxial guide
- No compromise to deliverability
- Device can be integrated into current balloon inflatable SDS platforms |
- Device is E-beam compatible



Design Concept

- Elastomeric sheath attached over SDS
- Low pressure inflation
- Sheath ruptures and retracts before stent edges expand
- Sheath rupture allows deployment of stent







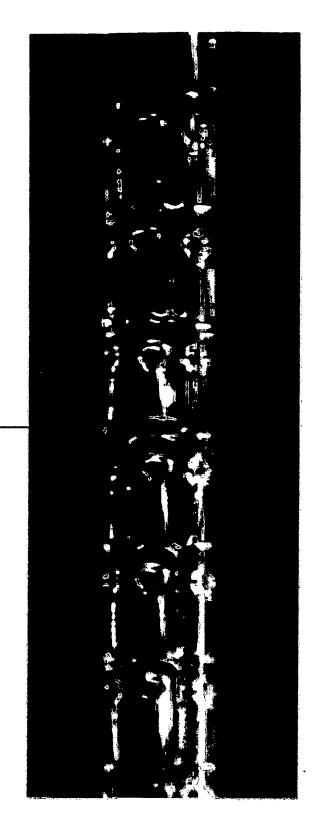


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- 5 mil thick sheath on 3.0 x 18 Duet
- Pre-deployment profile 0.051"
 - Retraction at 2 atm





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- Increased stent security over current SDS platforms
- Key distinctions and features
- Elastic, compliant sheath does not interfere with balloon inflation
- Simple, inexpensive modification to SDS platforms
- Readily manufacturable; minimal added development time
 - Minimal added profile and bulk
- Complete protection over entire length of stent and stent edges
 - No added preparation or procedural time for interventionalist 1





- Recommendations for transfer to production
- Optimize sheath rupture pressure
 - HPP to further reduce profile
 - Reduce sheath thickness
- Optimize retraction
- Separate lumen could allow sheath retraction prior to crossing lesion I

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